



# AN ABBREVIATED ANNOTATED BIBLIOGRAPHY

Herbert A. Simon 1916–2001

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“I like to think that since I was about 19, I have studied human decision-making and problem-solving”.

Herbert Simon, 2000



## Introduction



The items covered here do not represent a complete reconstruction of the literature but provide some starting points for the researcher. The sources for literature are the online catalogues called WorldCat (libraries within the Online Computer Library Center Inc. (OCLC) consortium), COPAC (libraries within the academic consortium, UK), the catalogues of London School of Economics, The British Library and the Library of Congress. The search for journal articles was undertaken using the databases available at the universities in Perth, Western Australia. No non-paper media have been included in this bibliography.

## Format

The bibliography is divided into two major sections. The first provides abbreviated references, listed in chronological order, grouped under topic headings. In this section titles have been abbreviated to save space but the bibliographic details appear in full, alphabetically by author, in the second section. The topic headings in the first section deal, first, with Simon and his research, and then his publications in the fields of public administration, management, economics, human decision making, computer science and mathematics, philosophy of science, philosophy of social science and other



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fields; second, items which reflect how his work influenced public administration, management, organization and business, the analysis of human behaviour and computers as artificial humans; third, the influence of his work on the wider fields of linguistics, education, economics, political science, science, social science and other areas. A full list of references, in alphabetical order by author, comprises the second major section. In some citations multiple dates are given, separated by commas. This indicates the reprinting of an edition. Different editions are treated as separate citations.

### Herbert Alexander Simon: the man and the research

A number of websites are dedicated to Herbert Simon

His Nobel Prize of Economics lecture (Dec. 8 1978) 'Rational Decision-Making in Business Organizations' can be read at <http://nobelprize.org/economics/laureates/1978/index.html>. The lecture is republished in various places (Lindbeck 1992, Simon 1979c). Simon was a member of the Unitarian Church <http://www.harvardsquarelibrary.org/unitarians/simon.html>. The site has a biography with portraits of Simon's wife, Dorothea, daughters Barbara, Katherine, son Peter. A further biography can be accessed at <http://cepa.newschool.edu/~het/profiles/simon.htm> and at <http://www.psy.cmu.edu/psy/faculty/hsimon/hsimon.html>. The Herbert Simon Collection (archive) can be accessed at <http://diva.library.cmu.edu/Simon/>.

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Peng, W. (1981) *Saimengshi di si xiang ti xi yu zu zhi yuan li* . . .

— (1982) *Jue ce lun qi cai Saimeng* . . .

Fry, B. R. (1989) *Mastering Public Administration* . . .

See chapter 7 'Herbert A. Simon: A decision-making perspective' pp. 181–217.

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Waring, S. P. (1991) Economics and cybernetics . . .

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Taka, I. (1995) *Habato ei saimon kenkyu* . . .

Wolf, W. B. (1995a) The Barnard-Simon connection . . .

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See entry on Herbert Simon pp. 189–194.

Rainey, H. G. (2001) A reflection on Herbert Simon . . .

Zhu, X. and Li, Y. (2001) *Jia she ren you dian nao de qiao liang* . . .

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- Dasgupta, S. (2003) Multidisciplinary creativity: the case of Herbert A. Simon . . .
- Gow, J. I. (2003) Decision man . . .
- Minkes, A. L. and Foxall, G. R. (2003) Herbert Simon and the concept of dispersed entrepreneurship . . .
- Augier, M. and March, J. G. (2004) Herbert A. Simon, scientist . . .  
See Augier and March (2004). Also in this monograph are chapters by Herbert Simon's daughter (Simon Frank, K. 2004), close associates/friends (Feigenbaum 2004, Guetzkow 2004, March 2004, Miller 2004, Modigliani 2004, Valdes-Perez 2004) and others (Conlisk 2004, Cooper 2004, Feldman 2004, Klahr 2004, Kotovsky 2004, Leijonhufvud 2004, Lovell 2004, Selten 2004)
- Hayes, J. R. (2004) Herbert A. Simon: 1916 to 2001 . . .
- McCorduck, P. (2004) Herb Simon: a recollection . . .  
See Augier and March (2004).
- Demailly, A. (2004) *Herbert Simon et Les Sciences de Conception* . . .
- Sent, E.-M. (2005) Simplifying Herbert Simon . . .  
See also Sent (1997, 1998c, 2001b, 2004b).

#### Simon publications

An extensive but incomplete bibliography of works published by Herbert Simon is available on the internet at <http://www.psy.cmu.edu/psy/faculty/hsimon/hsimon.html>. Many of Simon's articles and reports have been reprinted and can be found in other compilations, for example, Warner and Martin (1959), Hill and Egan (1966), Mosher (1981), Pugh (1984), Maital and Maital (1993), Kurtz *et al.* (1998), Shafritz and Hyde (1992), Hodgson (1993), Zamagni (1995), Williamson and Masten (1995), Lamberton (1996), Dimand and Dimand (1997), Hamouda and Rowley (1997), Lancaster (1998), Hanusch (1999); Keasey, Thompson and Wright (1999), Audretsch and Klepper (2000) and Sattinger (2001). The following section lists respective items to provide an indication of the breadth of scholarship of Herbert Simon. The section does not represent a full bibliography of Simon's publications.

#### Public administration

- Ridley, C. E. and Simon, H. A. (1938) *Measuring Municipal Activities*  
See later editions, Ridley and Simon (1943, 1967, 1979) and the reworked publication Simon (1945b, 1947) and Ridley and Simon (1948). Second edition translated into Japanese (Ridley and Simon 1999).
- Simon, H. A. and Divine, W. R. (1941) Controlling human factors in an administrative experiment . . .



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- Simon *et al.* (1941) *Determining Work Loads for Professional Staff in a Public Welfare Agency* . . .
- Simon, H. A. (1943) *A theory of Administrative Decision*. Unpublished PhD, University of Chicago: Chicago, IL.
- Part of thesis, 'Decision-making and administrative organization', published as Simon (1944, 1960).
- (1945a) *Administrative Behavior* . . .
- Published later by Macmillan (Simon 1947, 1948, 1949, 1953) with a second edition in hardcover (Simon 1957b, 1958, 1959, 1961, 1965, 1970) and paperback (Simon 1957c, 1965, 1966). A third edition appeared in 1976 and a fourth in 1997. Abbreviated version published in Mosher (1981). First edition translated into German (Simon 1955b), Portuguese (Simon 1956) and Spanish (Simon 1962a). Second edition translated into Spanish (Simon 1964b, 1970), Japanese (Simon 1965b) and Polish (Simon 1976c). The third edition translated into French (Simon 1983a), Spanish (Simon 1984a), Indonesian (Simon 1984c), Chinese (Simon 1988a) and Japanese (Simon 1989a). The fourth edition translated into Chinese in 1999 (see online bibliography)
- (1946) The proverbs of administration . . .
- Reprinted in Shafritz and Hyde (1992).
- Simon, H. A., Smithburg, D. W. and Thompson, V. A. (1950, 1954, 1959, 1961, 1968, 1970, 1971) *Public Administration* . . .
- Reprinted with a new introduction by Simon and Thompson by Transaction Publishes (Simon, Smithburg and Thompson 1991; see Simon and Thompson 1991a, b). Translated into Spanish (Simon, Smithburg and Thompson 1956; 1968), Chinese (Simon, Smithburg and Thompson 1959, 1964), Vietnamese (Simon, Smithburg and Thompson 1962), Turkish (Simon, Smithburg and Thompson 1966, 1973) and Japanese (Simon, Smithburg and Thompson 1977)
- Waldo, D. (1952) Development of theory of democratic administration . . .
- See also Simon, H. A., Drucker, P. F. and Waldo, D. (1952) and Waldo (1989; 1992)
- (1965a) Administrative decision making . . .
- (1965c) The logic of rational decision . . .
- (1973c) Organization man: rational or self-actualizing? . . .
- (1973e) Rational and/or self-actualizing man . . .
- See also the articles by Argyris, C. (1973a, b) and Simon (1974a).
- (2000a) Public administration in today's world of organizations and markets . . .
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#### Management

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- Republished as Simon (1951).
- (1950b, 1960) *The New Science of Management Decision* . . .
- Reprinted with a different title, Simon (1965d; in paperback 1966) and as a revised edition (Simon 1977b). Translated into Spanish (Simon 1963a) and Japanese (Simon 1964a). Reprint translated into Hungarian (Simon 1982e)





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- Reprinted in 1978 by Scholars Book of Houston.
- Guetzkow, H. and Simon, H. A. (1955) The impact of certain communication nets upon organization and performance in task-oriented groups . . .
- Holt, C. C., Modigliani, F. and Simon, H. A. (1955) A linear decision rule for production and employment scheduling . . .
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- March, J. G. and Simon, H. A. (1958, 1959, 1966, 1976) *Organizations* . . .
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- Simon, H. A. and Newell, A. (1958) Heuristic problem solving: the next advance in operations research . . .
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- See also the articles by Argyris, C. (1973a, b), Simon (1974a) and Thayer (1974).
- (1973g) Technology and environment . . .
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- See section on Economics (below) for full entry.
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- Takamiya, S., Thurley, K. and Simon, H. A. (1985) *Japan's Emerging Multinationals* . . .
- Prietula, M. J. and Simon, H. A. (1989) The experts in your midst . . .
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- (2002a) Forecasting the future or shaping it?
- Simon published other articles on this subject, see also Simon (2002b, d, f).
- (2002c) Organization theory in the age of computers and electronic communication networks . . .

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- Simon, H. A. and Baumol, W. J. (1963, 1964) *Proceedings of a Symposium on Decision Theory* . . .
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- Anderson, J. R., Reder, L. M. and Simon, H. A. (1996a) Situated learning and education . . .
- (1996b) ‘Rejoinder: situative versus cognitive perspectives’ . . .
- Sarasvathy, D. K., Simon, H. A. and Lave, L. (1998) Perceiving and managing business risks . . .
- Fernandes, R. and Simon, H. A. (1999) A study of how individuals solve complex and ill-structured problems . . .

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- Newell, A. and Simon, H. A. (1954) Current developments in complex information processing . . .
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This paper is on the computer program called *The Logic Theorist*. Mathematician John McCarthy, later used the phrase artificial intelligence for a short study of computers. Among the study participants were Newell, Simon, and McCarthy. The following year, Newell and Simon produced the *General Problem Solver*, a computer program that could solve the kinds of logic puzzles you find in newspaper puzzle columns and in the puzzle magazines sold at airports and railway stations.
- Newell, A., Shaw, J. C. and Simon, H. A. (1957b) *Empirical Explorations of the Logic Theory Machine* . . .
- Feigenbaum, E. A. and Simon, H. A. (1961a) *Performance of a Reading Task* . . .  
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Richman, H. B. and Simon, H. A. (1988) *Context Effects in Letter Perception* . . .  
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### *Philosophy of science*

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—— (1983c) Fitness requirements for scientific theories . . .  
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Ando, A., Fisher, F. M. and Simon, H. A. (1963) *Essays on the Structure of Social Science Models* . . .  
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- (1976e) *Social and Behavioral Science Programs in the National Science Foundation* . . .
- (1985c) Human nature in politics . . .
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- Simon, H. A. (1987a) *Charles E. Merriam and the 'Chicago School' of Political Science* . . .
- (1988a) Freedom and discipline . . .
- (1995) Literary criticism: a cognitive approach . . .
- Simon, H. A. and Kaplan, C. A. (1988) *Foundations of Cognitive Science* . . .

#### Simon contemporaries and their views of Simon's ideas

Many people have become associated with Simon. I will list some of these people and provide brief information trails to follow for information on each. The bibliographic subsections will cite items about various subjects involved in published discussions with Simon or work with Simon.

#### Contemporaries

Allen Newell and J. Clifford Shaw worked with Simon under the Rand Corporation, information on this work can be accessed from the Rand website [www.rand.org](http://www.rand.org). Biographical information for Allen Newell is available at [http://www.sis.pitt.edu/~mbsclass/hall\\_of\\_fame/newell.html](http://www.sis.pitt.edu/~mbsclass/hall_of_fame/newell.html) and <http://stills.nap.edu/readingroom/books/biomems/anewell.html>, with portrait. A bibliography for Newell is available at <http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/n/Newell:Allen.html>. The Allen Newell Collection (archive) is available through <http://diva.library.cmu.edu/Newell/>. Some information on J. Clifford Shaw is also available in the Newell archive. McCorduck (1979) also has information on many of Simon's contemporaries. A biography with a portrait for Richard M. Cyert is available at <http://www.hofest.org/>. Information is also available in Augier and March (2002). Similar information for James March is available at <http://www.stanford.edu/dept/soc/people/faculty/march/march.html> and in Pugh and Hickson (2000) and Augier (2004). Information on Edward A. Feigenbaum is available at [http://www.thocp.net/biographies/feigenbaum\\_edward.htm](http://www.thocp.net/biographies/feigenbaum_edward.htm) and Yuji Ijiri is available at <http://fisher.osu.edu/acctmis/hall/members/ijiri/>. Information about David Hawkins can be viewed at



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<http://www.stanfordalumni.org/> and in Palevsky (2000). Information about Clarence Eugene Ridley is available from International City Managers' Association ([www.icma.org/](http://www.icma.org/)).

The following section provides an indication of the publication which surround those of Simon in the fields in which Simon published. The section does not represent a full bibliography of publications which were influenced by Simon's work.

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- The role of working memory in language comprehension, by Patricia A. Carpenter and Marcel A. Just
- Representation and transfer in problem solving, by Kenneth Kotovsky and David Fallside
- Developmental differences in scientific discovery processes, by Kevin Dunbar and David Klahr
- Scientists of the artificial, by George A. Miller
- What hath Simon wrought?, by Edward A. Feigenbaum
- Expertise in chess and bridge, by Neil Charness
- Writing research: the analysis of a very complex task, by John R. Hayes
- Skilled memory and expertise: mechanisms of exceptional performance, by K. Anders Ericsson and James J. Staszewski.
- Expertise and learning: how do we think about instructional processes now that we have discovered knowledge structures?, by Robert Glaser
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